

RECEIVED
CENTRAL FAX CENTER

NOV 05 2007

Listing of Claims (deleted text being struck through and added text being underlined):

1. (Original) A gray-water reclamation and reuse system, said system comprising:

a reservoir, said reservoir being adapted to treat gray-water, said reservoir having an intake pipe, an outlet pipe and an overflow pipe;

an inlet for supplying gray-water to said reservoir, said inlet being fluidly coupled to said intake pipe;

a filtering means for filtering said gray-water, said filtering means being fluidly coupled to said outlet pipe, said gray-water being filtered through said filter such that said filtered water is defined as processed gray-water;

a pumping means for drawing said gray-water through said filtering means, said pumping means being fluidly coupled to said filtering means by a pipe; and

a first valve for controlling flow of said processed gray-water from said pumping means, said first valve having a first end, a second end and middle section, said first end being fluidly coupled to said pumping means by a pipe, said second end being fluidly coupled to a fresh water inlet, a middle section of said first valve being fluidly coupled to a processed gray-water outlet, said first valve having a first and second plug therein, said first plug being positioned between said first end and said middle section, said second plug being positioned between said second end and said middle section, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said water pressure sensing means being generally adjacent to said first end of said valve, said first valve having an actuating means therein for moving said second plug between an open and a closed position, said actuating means being a solenoid, said solenoid being operationally coupled to said water pressure sensing means, wherein if the pressure of said processed gray-water falls said solenoid will open said

second plug such that water from said fresh water inlet may enter said processed gray-water outlet.

2. (Original) The gray-water reclamation and reuse system as in claim 1, wherein said processed gray-water outlet has a first one-way valve therein for allowing flow of water in a first direction away from said first valve.

3. (Original) The gray-water reclamation and reuse system as in claim 2, further comprising:

a pressure stabilizing means for stabilizing the pressure of the processed gray-water leaving said processed gray-water outlet, said stabilizing means comprising:

a pressure stabilizing means for stabilizing the pressure of the processed gray-water leaving said processed gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve fluidly coupling said fresh water inlet and said processed gray-water outlet, said pressure valve being adapted to manually control the flow of water from said fresh water inlet into said processed gray-water outlet.

4. (Original) The gray-water reclamation and reuse system as in claim 3, wherein said pressure stabilizing means further comprises:

said pressure valve being elongate and having a first end and a second end, said pressure valve having a first inlet port, said first inlet port being generally positioned in a central portion of said pressure valve, a second inlet port being located generally adjacent to said second end of said pressure valve, an exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a

rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe, said first pipe having a first and second end, said first pipe first end being fluidly coupled to said first inlet port, said first pipe second end being fluidly coupled to said processed gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe, said second pipe having a first and second end, said second pipe first pipe first end being fluidly coupled to said fresh water inlet, said second pipe first pipe second end being fluidly coupled to said second inlet port; and

a third pipe, said third pipe having a first end and a second end, said third pipe first end being fluidly coupled to said exit port, said third pipe second end being fluidly coupled to said processed gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a direction from said third pipe first end toward said third pipe second end.

5. (Original) The gray-water reclamation and reuse system as in claim 1, further comprising:

a pressure stabilizing means for stabilizing the pressure of the processed gray-water leaving said processed gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve fluidly coupling said fresh water inlet and said processed gray-water outlet, said pressure valve being adapted to manually control the flow of water from said fresh water inlet into said processed gray-water outlet.

6. (Original) A gray-water reclamation and reuse system, said system comprising:

a reservoir, said reservoir being adapted to treat gray-water, said

reservoir having a top side and a bottom side, said reservoir having an intake pipe, an outlet pipe and an overflow pipe, said outlet pipe being positioned generally adjacent to said bottom side of said reservoir, said overflow pipe being positioned generally adjacent to said top side of said reservoir;

an inlet for supplying gray-water to said reservoir, said inlet being fluidly coupled to said intake pipe;

a filtering means for filtering said gray-water, said filtering means being fluidly coupled to said outlet pipe, said gray-water being filtered through said filter such that said filtered water is defined as processed gray-water;

a pumping means for drawing said gray-water through said filtering means, said pumping means being fluidly coupled to said filtering means by a pipe, wherein said pumping means causes said gray-water to be drawn out of said reservoir and through said filter:

a first valve for controlling flow of said processed gray-water from said pumping means, said first valve having a first end, a second end and middle section, said first valve having a first and second plug therein, said first plug being positioned between said first end and said middle section, said second plug being positioned between said second end and said middle section, said first end being fluidly coupled to said pumping means by a pipe, said second end being fluidly coupled to a fresh water inlet, a middle section of said first valve being fluidly coupled to a processed gray-water outlet, wherein fluid entering said first valve exits through said processed gray-water outlet, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said water pressure sensing means being generally adjacent to said first end of said valve, said first valve having an actuating means therein for moving said second plug between an open and a closed position, said actuating means being a solenoid, said solenoid being operationally coupled to said water pressure sensing means, wherein if the pressure of said processed gray-water falls said solenoid will open said second plug such that water from said fresh

water inlet may enter said processed gray-water outlet, said processed gray-water outlet having a first one-way valve therein for allowing flow of water in a first direction away from said first valve, said processed gray-water outlet adapted to supply water to a toilet and a lawn watering system;

a pressure stabilizing means for stabilizing the pressure of the processed gray-water leaving said processed gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve being elongate and having a first end and a second end, said pressure valve having a first inlet port, said first inlet port being generally positioned in a central portion of said pressure valve, a second inlet port being located generally adjacent to said second end of said pressure valve, an exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded; a first pipe, said first pipe having a first and second end, said first pipe first end being fluidly coupled to said first inlet port, said first pipe second end being fluidly coupled to said processed gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe, said second pipe having a first and second end, said second pipe first end being fluidly coupled to said fresh water inlet, said second pipe second end being fluidly coupled to said second inlet port;

a third pipe, said third pipe having a first end and a second end, said third pipe first end being fluidly coupled to said exit port, said third pipe, second end being fluidly coupled to said processed gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a direction from said third pipe, first end toward said third pipe second end; and

wherein said pressure valve may be selectively adjusted to increase or decrease the water pressure of said processed gray-water outlet.

7. (Original) A gray-water reclamation and reuse system, said system comprising:

a reservoir adapted to treat gray-water having in intake pipe, an outlet pipe and an overflow pipe;

an inlet for supplying gray-water to said reservoir being fluidly coupled to said intake pipe;

a filtering means for filtering said gray-water being fluidly coupled to said outlet pipe, said gray-water being filtered through said filter such that said filtered water is defined as processed gray-water;

a pumping means for drawing said gray-water through said filtering means, said pumping means being fluidly coupled to said filtering means by a pipe;

a first valve for controlling flow of said processed gray water from said pumping means, said first valve being fluidly coupled to said pumping means, a fresh water inlet, and to a processed gray water outlet, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said first valve having a solenoid therein operationally coupled to said water pressure sensing means, a plug being positioned in said first valve for opening and closing said fresh water inlet, wherein if the pressure of said processed gray water falls said solenoid will open said plug such that water from said fresh water inlet may enter said processed gray water outlet; and

a pressure stabilizing means having a first inlet port, a second inlet port and an exit p[ort, said first inlet port and said exit port being coupled to said processed gray water outlet downstream of said first valve and said second inlet port being coupled to said fresh water inlet upstream of said first valve, wherein said pressure stabilizing means is adapted to allow fresh water to flow from said fresh water inlet to said processed gray water outlet in the event said solenoid fails to open said plug.

8. (Original) The gray-water reclamation and reuse system as in claim 7, wherein said processed gray-water outlet has a first one-way valve therein for allowing flow of water in a first direction away from said first valve.

9. (Original) The gray-water reclamation and reuse system as in claim 8, wherein said pressure stabilizing means stabilizes the pressure of the processed gray-water leaving said processed gray-water outlet and further comprises a pressure valve that includes said first and second inlet ports and said exit valve and is adapted to manually control the flow of water from said fresh water inlet into said processed gray-water outlet.

10. (Original) The gray-water reclamation and reuse system as in claim 9, wherein said pressure valve is elongate and further comprises:

a first end and a second end, said first inlet port being generally positioned in a central portion of said pressure valve, said second inlet port being located generally adjacent to said second end of said pressure valve, said exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe having a first end being fluidly coupled to said first inlet port and a second end being fluidly coupled to said processed gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe having a first end being fluidly coupled to said fresh water inlet and a second end being fluidly coupled to said second inlet port; and

a third pipe having a first end being fluidly coupled to said exit port and a second end being fluidly coupled to said processed gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a first direction from said third pipe first end toward said third pipe second end.

11. (Original) The gray-water reclamation and reuse system as in claim 7, wherein said pressure stabilizing means stabilizes the pressure of the processed gray-water outlet and further comprises a pressure valve that includes said first and second inlet ports and said exit valve and is adapted to manually control the flow of water from said fresh water inlet into said processed gray-water outlet.

12. (New) A gray-water reuse system, said system comprising:
a reservoir, said reservoir being adapted to receive gray-water, said
reservoir having an intake pipe, an outlet pipe and an overflow pipe;
an inlet for supplying gray-water to said reservoir, said inlet being
fluidly coupled to said intake pipe;
a pumping means for pumping said gray-water from said reservoir; and
a first valve for controlling flow of said gray-water from said pumping
means, said first valve having a first end, a second end and middle section,
said first end being fluidly coupled to said pumping means by a pipe, said
second end being fluidly coupled to a fresh water inlet, a middle section of
said first valve being fluidly coupled to a gray-water outlet, said first valve
having a first and second plug therein, said first plug being positioned
between said first end and said middle section, said second plug being
positioned between said second end and said middle section, said first valve
having a water pressure sensing means therein for detecting a loss of water
pressure, said water pressure sensing means being generally adjacent to said
first end of said valve, said first valve having an actuating means therein
for moving said second plug between an open and a closed position, said

actuating means being a solenoid, said solenoid being operationally coupled to said water pressure sensing means, wherein if the pressure of said gray-water falls said solenoid will open said second plug such that water from said fresh water inlet may enter said gray-water outlet.

13. (New) The gray-water reuse system as in claim 12, wherein said gray-water outlet has a first one-way valve therein for allowing flow of water in a first direction away from said first valve.

14. (New) The gray-water reuse system as in claim 13, further comprising:

a pressure stabilizing means for stabilizing the pressure of the gray-water leaving said gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve fluidly coupling said fresh water inlet and said gray-water outlet, said pressure valve being adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.

15. (New) The gray-water reuse system as in claim 14, wherein said pressure stabilizing means further comprises:

said pressure valve being elongate and having a first end and a second end, said pressure valve having a first inlet port, said first inlet port being generally positioned in a central portion of said pressure valve, a second inlet port being located generally adjacent to said second end of said pressure valve, an exit port being in said second end of said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe, said first pipe having a first and second end, said first pipe first end being fluidly coupled to said first inlet port, said first pipe

second end being fluidly coupled to said gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe, said second pipe having a first and second end, said second pipe first pipe first end being fluidly coupled to said fresh water inlet, said second pipe first pipe second end being fluidly coupled to said second inlet port; and

a third pipe, said third pipe having a first end and a second end, said third pipe first end being fluidly coupled to said exit port, said third pipe second end being fluidly coupled to said gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a direction from said third pipe first end toward said third pipe second end.

16. (New) The gray-water reuse system as in claim 12, further comprising:

a pressure stabilizing means for stabilizing the pressure of the gray-water leaving said gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve fluidly coupling said fresh water inlet and said gray-water outlet, said pressure valve being adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.

17. (New) A gray-water reuse system, said system comprising:

a reservoir, said reservoir having a top side and a bottom side, said reservoir having an intake pipe, an outlet pipe and overflow pipe, said outlet pipe being positioned generally adjacent to said bottom side of said reservoir, said overflow pipe being positioned generally adjacent to said top side of said reservoir;

an inlet for supplying gray-water to said reservoir, said inlet being fluidly coupled to said intake pipe;

a pumping means for pumping said gray-water from said reservoir;
a first valve for controlling flow of said gray-water from said pumping means, said first valve having a first end, a second end and middle section, said first valve having a first and second plug therein, said first plug being positioned between said first end and said middle section, said second plug being positioned between said second end and said middle section, said first end being fluidly coupled to said pumping means by a pipe, said second end being fluidly coupled to a fresh water inlet, a middle section of said first valve being fluidly coupled to a processed gray-water outlet, wherein fluid entering said first valve exits through said gray-water outlet, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said water pressure sensing means being generally adjacent to said first end of said valve, said first valve having an actuating means therein for moving said second plug between an open and a closed position, said actuating means being a solenoid, said solenoid being operationally coupled to said water pressure sensing means, wherein if the pressure of said processed gray-water falls said solenoid will open said second plug such that water from said fresh water inlet may enter said gray-water outlet, said gray-water outlet having a first one-way valve therein for allowing flow of water in a first direction away from said first valve, said gray-water outlet adapted to supply water to a toilet and a lawn watering system;

a pressure stabilizing means for stabilizing the pressure of the gray-water leaving said gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve being elongate and having a first end and a second end, said pressure valve having a first inlet port, said first inlet port being generally positioned in a central portion of said pressure valve, a second inlet port being located generally adjacent to said second end of said pressure valve, an exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being

coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe, said first pipe having a first and second end, said first pipe first end being fluidly coupled to said first inlet port, said first pipe second end being fluidly coupled to said gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe, said second pipe having a first and second end, said second pipe first end being fluidly coupled to said fresh water inlet, said second pipe end being fluidly coupled to said second inlet port;

a third pipe, said third pipe having a first end and a second end, said third pipe first end being fluidly coupled to said exit port, said third pipe, second end being fluidly coupled to said gray-water outlet, said first one-way valve b pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a direction from said third pipe, first end toward said third pipe second end; and

wherein said pressure valve may be selectively adjusted to increase or decrease the water pressure of said gray-water outlet.

18. (New) A gray-water reuse system, said system comprising:
a reservoir having an intake pipe, an outlet pipe and an overflow pipe;
an inlet for supplying gray-water to said reservoir being fluidly
coupled to said intake pipe;

a pumping means for pumping said gray-water from said reservoir;

a first valve for controlling flow of said gray water from said pumping means, said first valve being fluidly coupled to said pumping means, a fresh water inlet, and to a gray water outlet, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said first valve having a solenoid therein operationally coupled to said water pressure sensing means, a plug being positioned in said first valve for opening and closing said fresh water inlet, wherein if the pressure of said gray water falls said solenoid will open said plug such that water from said

fresh water inlet may enter said gray water outlet; and

a pressure stabilizing means having a first inlet port, a second inlet port and an exit port, said first inlet port and said exit port being coupled to said gray-water outlet downstream of said first valve and said second inlet port being coupled to said fresh water inlet upstream of said first valve, wherein said pressure stabilizing means is adapted to allow fresh water to flow from said fresh water inlet to said gray-water outlet in the event said solenoid fails to open said plug.

19. (New) The gray-water reuse system as in claim 18, wherein said gray-water outlet has a first one-way valve therein for allowing flow of water in a first direction away from said first valve.

20. (New) The gray-water reuse system as in claim 19, wherein said pressure stabilizing means stabilizes the pressure of the gray-water leaving said gray-water outlet and further comprises a pressure valve that includes said first and second inlet ports and said exit valve and is adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.

21.(New) The gray-water reuse system as in claim 20, wherein said pressure valve is elongate and further comprises:

a first end and a second end, said first inlet port being generally positioned in a central portion of said pressure valve, said second inlet port being located generally adjacent to said second end of said pressure valve, said exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe having a first end being fluidly coupled to said first inlet port and a second end being fluidly coupled to said gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe having a first end being fluidly coupled to said fresh water inlet and a second end being fluidly coupled to said second inlet port; and

a third pipe having a first end being fluidly coupled to said exit port and a second end being fluidly coupled to said gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a first direction from said third pipe first end toward said third pipe second end.

22. (New) The gray-water reuse system as in claim 18, wherein said pressure stabilizing means stabilizes the pressure of the gray-water outlet and further comprises a pressure valve that includes said first and second inlet ports and said exit valve and is adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.

23. (New) A gray-water reclamation and reuse system, said system comprising:
an inlet for supplying gray-water to said system;
a pumping means for pumping said gray-water from said inlet; and
a first valve for controlling flow of said gray-water from said pumping means, said first valve having a first end, a second end and middle section, said first end being fluidly coupled to said pumping means by a pipe, said second end being fluidly coupled to a fresh water inlet, a middle section of said first valve being fluidly coupled to a gray-water outlet, said first valve having a first and second plug therein, said first plug being positioned between said first end and said middle section, said second plug being positioned between said second end and said middle section, said first valve

having a water pressure sensing means therein for detecting a loss of water pressure, said water pressure sensing means being generally adjacent to said first end of said valve, said first valve having an actuating means therein for moving said second plug between an open and a closed position, said actuating means being a solenoid, said solenoid being operationally coupled to said water pressure sensing means, wherein if the pressure of said gray-water falls said solenoid will open said second plug such that water from said fresh water inlet may enter said gray-water outlet.

24. (New) The gray-water reuse system as in claim 23, wherein said gray-water outlet has a first one-way valve therein for allowing flow of water in a first direction away from said first valve.

25. (New) The gray-water reuse system as in claim 24, further comprising:

a pressure stabilizing means for stabilizing the pressure of the gray-water leaving said gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve fluidly coupling said fresh water inlet and said gray-water outlet, said pressure valve being adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.

26. (New) The gray-water reuse system as in claim 25, wherein said pressure stabilizing means further comprises:

said pressure valve being elongate and having a first end and a second end, said pressure valve having a first inlet port, said first inlet port being generally positioned in a central portion of said pressure valve, a second inlet port being located generally adjacent to said second end of said pressure valve, an exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second

inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe, said first pipe having a first and second end, said first pipe first end being fluidly coupled to said first inlet port, said first pipe second end being fluidly coupled to said gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe, said second pipe having a first and second end, said second pipe first pipe first end being fluidly coupled to said fresh water inlet, said second pipe first pipe second end being fluidly coupled to said second inlet port; and

a third pipe, said third pipe having a first end and a second end, said third pipe first end being fluidly coupled to said exit port, said third pipe second end being fluidly coupled to said gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a direction from said third pipe first end toward said third pipe second end.

27. (New) The gray-water reuse system as in claim 23, further comprising:

a pressure stabilizing means for stabilizing the pressure of the gray-water leaving said gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve fluidly coupling said fresh water inlet and said gray-water outlet, said pressure valve being adapted to annually control the flow of water from said fresh water inlet into said gray-water outlet.

28. (New) A gray-water reuse system, said system comprising:
an inlet for supplying gray-water to said system;
a pumping means for pumping said gray-water from said inlet;

a first valve for controlling flow of said gray-water from said pumping means, said first valve having a first end, a second end and middle section, said first valve having a first and second plug therein, said first plug being positioned between said first end and said middle section, said second plug being positioned between said second end and said middle section, said first end being fluidly coupled to said pumping means by a pipe, said second end being fluidly coupled to a fresh water inlet, a middle section of said first valve being fluidly coupled to a gray-water outlet, wherein fluid entering said first valve exists through said gray-water outlet, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said water pressure sensing means being generally adjacent to said first end of said valve, said first valve having an actuating means therein for moving said second plug between an open and a closed position, said actuating means being a solenoid, said solenoid being operationally coupled to said water pressure sensing means, wherein if the pressure of said gray-water falls said solenoid will open said second plug such that water from said fresh water inlet may enter said gray-water outlet, said gray-water outlet having a first one-way valve therein for allowing flow of water in a first direction away from said first valve, said gray-water outlet adapted to supply water to a toilet and a lawn watering system;

a pressure stabilizing means for stabilizing the pressure of the gray-water leaving said gray-water outlet, said stabilizing means comprising:

a pressure valve, said pressure valve being elongate and having a first end and a second end, said pressure valve having a first inlet port, said first inlet port being generally positioned in a central portion of said pressure valve, a second inlet port being located generally adjacent to said second end of said pressure valve, an exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said

pressure valve, said rod being threaded;

a first pipe, said first pipe having a first and second end, said first pipe first end being fluidly coupled to said first inlet port, said first pipe second end being fluidly coupled to said gray-water outlet, said first pipe second end being positioned between said first valve and said first one-way valve;

a second pipe, said second pipe having a first and second end, said second pipe first end being fluidly coupled to said fresh water inlet, said second pipe second end being fluidly coupled to said second inlet port;

a third pipe, said third pipe having a first end and a second end, said third pipe first end being fluidly coupled to said exit port, said third pipe, second end being fluidly coupled to said gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a direction from said third pipe, first end toward said third pipe second end; and

wherein said pressure valve may be selectively adjusted to increase or decrease the water pressure of said gray-water outlet.

29. (New) A gray-water reuse system, said system comprising:
an inlet for supplying gray-water to said system;
a pumping means for pumping said gray-water from said inlet;
a first valve for controlling flow of said gray water from said pumping means, said first valve being fluidly coupled to said pumping means, a fresh water inlet, and to a gray water outlet, said first valve having a water pressure sensing means therein for detecting a loss of water pressure, said first valve having a solenoid therein operationally coupled to said water pressure sensing means, a plug being positioned in said first valve for opening and closing said fresh water inlet, wherein if the pressure of said gray water falls said solenoid will open said plug such that water from said fresh water inlet may enter said processed gray water outlet; and
a pressure stabilizing means having a first inlet port, a second inlet

port and an exit port, said first inlet port and said exit port being coupled to said gray water outlet downstream of said first valve and said second inlet port being coupled to said fresh water inlet upstream of said first valve, wherein said pressure stabilizing means is adapted to allow fresh water to flow from said fresh water inlet to said gray water outlet in the event said solenoid fails to open said plug.

30. (New) The gray-water reuse system as in claim 29, wherein said gray-water outlet has a first one-way valve therein for allowing flow of water in a first direction away from said first valve.

31. (New) The gray-water reuse system as in claim 29, wherein said pressure stabilizing means stabilizes the pressure of the gray-water leaving said gray-water outlet and further comprises a pressure valve that includes said first and second inlet ports and said exit valve and is adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.

32. (New) The gray-water reuse system as in claim 29, wherein said pressure valve is elongate and further comprises:

a first end and a second end, said first inlet port being generally positioned in a central portion of said pressure valve, said second inlet port being located generally adjacent to said second end of said pressure valve, said exit port being in said second end of said pressure valve, a stopper being slidably movable within said pressure valve, said stopper comprising a seal between said first and second inlet ports, said stopper having a biasing means thereon for biasing said stopper toward said second inlet port, said biasing means being a spring, said spring being coupled to a rod, said rod being rotatably inserted in said first end of said pressure valve, said rod being threaded;

a first pipe having a first end being fluidly coupled to said first inlet port and a second end being fluidly coupled to said gray-water outlet, said

first pipe second end being positioned between said first valve and said first one-way valve

a second pipe having a first end being fluidly coupled to said fresh water inlet and a second end being fluidly coupled to said second inlet port; and

a third pipe having a first end being fluidly coupled to said exit port and a second end being fluidly coupled to said gray-water outlet, said first one-way valve being between said first and third pipes, said third pipe having a second one-way valve such that fluid traveling through said third pipe travels in a first direction from said third pipe first end toward said third pipe second end.

33. (New) The gray-water reuse system as in claim 29, wherein said pressure stabilizing means stabilizes the pressure of the gray-water outlet and further comprises a pressure valve that includes said first and second inlet ports and said exit valve and is adapted to manually control the flow of water from said fresh water inlet into said gray-water outlet.